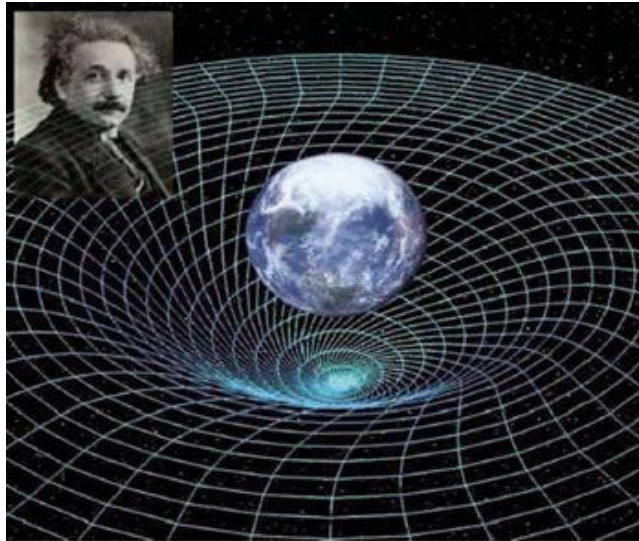


One Hundred Years of General Relativity

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This seminar will present a brief history of the general theory of relativity, Einstein's greatest contribution to science. First published in full form in May 1916, general relativity replaced Newtonian mechanics with a view of nature in which space, time and gravitation are interdependent. We will trace the genesis of the general theory in the years 1907-1916 and explore how it led to the prediction of cosmological phenomena such as **black holes**, **gravitational waves**, the **expanding universe** and the **big bang**. Modern observations of each of these phenomena will be reviewed.